

$$PR = \frac{(WAE_{ci} + O_{ci}) - (WAE_{co} + O_{co})}{(WAE_{ci} + WAE_u + O_{ci} + O_u)} \times 100 \quad (\text{Eq. 2})$$

Where:

PR=percent reduction;

WAE<sub>ci</sub> = wet-out area organic HAP emissions, lbs per year, vented to a control device;

WAE<sub>u</sub> = wet-out area organic HAP emissions, lbs per year, not vented to a control device;

O<sub>u</sub> = oven organic HAP emissions, lbs per year, not vented to a control device;

O<sub>ci</sub> = oven organic HAP emissions, lbs per year, vented to a control device;

WAE<sub>co</sub> = wet-out area organic HAP emissions, lbs per year, from the control device outlet;

O<sub>co</sub> = oven organic HAP emissions, lbs per year, from the control device outlet.

(b) *Averaging option.* Use Equation 3 of this section to calculate percent reduction.

$$PR = \frac{\left( \sum_{i=1}^m WAE_{ci} + \sum_{j=1}^n O_{jci} \right) - \left( \sum_{i=1}^m WAE_{co} + \sum_{j=1}^n O_{jco} \right)}{\left( \sum_{i=1}^m WAE_{ci} + \sum_{j=1}^n O_{jci} + \sum_{i=1}^m WAE_u + \sum_{j=1}^n O_{ju} \right)} \times 100 \quad (\text{Eq. 3})$$

Where:

PR=percent reduction;

WAE<sub>ci</sub> = wet-out area organic HAP emissions from wet-out area i, lbs per year, sent to a control device;

WAE<sub>u</sub> = wet-out area organic HAP emissions from wet-out area i, lbs per year, not sent to a control device;

WAE<sub>co</sub> = wet-out area organic HAP emissions from wet-out area i, lbs per year, at the outlet of a control device;

O<sub>u</sub> = organic HAP emissions from oven j, lbs per year, not sent to a control device;

O<sub>ci</sub> = organic HAP emissions from oven j, lbs per year, sent to a control device;

O<sub>co</sub> = organic HAP emissions from oven j, lbs per year, at the outlet of the control device;

m=number of wet-out areas;

n=number of ovens.

(c) *Add-on control device option.* Use Equation 1 of this section to calculate percent reduction.

(d) *Combination option.* Use Equations 1 through 3 of this section, as applicable, to calculate percent reduction.

[70 FR 50127, Aug. 25, 2005]

**§ 63.5890 How do I calculate an organic HAP emissions factor to demonstrate compliance for continuous lamination/casting operations?**

(a) *Compliant line option.* Use Equation 1 of this section to calculate an organic HAP emissions factor in lbs/ton.

$$E = \frac{WAE_u + WAE_c + O_u + O_c}{(R + G)} \quad (\text{Eq. 1})$$

Where:

E=HAP emissions factor in lbs/ton of resin and gel coat

WAE<sub>u</sub> = uncontrolled wet-out area organic HAP emissions, lbs per year

WAE<sub>c</sub> = controlled wet-out area organic HAP emissions, lbs per year

O<sub>u</sub> = uncontrolled oven organic HAP emissions, lbs per year

O<sub>c</sub> = controlled oven organic HAP emissions, lbs per year

R=total usage of neat resin plus, tpy

G=total usage of neat gel coat plus, tpy

(b) *Averaging option.* Use Equation 2 of this section to demonstrate compliance.

$$E = \frac{\sum_{i=1}^m WAE_{ui} + \sum_{i=1}^o WAE_{ci} + \sum_{j=1}^n O_{uj} + \sum_{j=1}^p O_{cj}}{(R + G)} \quad (\text{Eq. 2})$$

Where:

E=HAP emissions factor in lbs/ton of resin and gel coat

WAE<sub>ui</sub> = uncontrolled organic HAP emissions from wet-out area i, lbs per year

WAE<sub>ci</sub> = controlled organic HAP emissions from wet-out area i, lbs per year

O<sub>uj</sub> = uncontrolled organic HAP emissions from oven j, lbs per year

O<sub>cj</sub> = controlled organic HAP emissions from oven j, lbs per year

i=number of wet-out areas

j=number of ovens

m=number of wet-out areas uncontrolled

n=number of ovens uncontrolled

o=number of wet-out areas controlled

p=number of ovens controlled

R=total usage of neat resin plus, tpy

G=total usage of neat gel coat plus, tpy

(c) *Combination option.* Use Equations 1 and 2 of this section, as applicable, to demonstrate compliance.

#### CONTINUOUS COMPLIANCE REQUIREMENTS

#### § 63.5895 How do I monitor and collect data to demonstrate continuous compliance?

(a) During production, you must collect and keep a record of data as indicated in 40 CFR part 63, subpart SS, if you are using an add-on control device.

(b) You must monitor and collect data as specified in paragraphs (b)(1) through (4) of this section.

(1) Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), you must conduct all monitoring in continuous operation (or collect data at all required intervals) at all times that the affected source is operating.

(2) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes to this subpart, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. You must use all

the data collected during all other periods in assessing the operation of the control device and associated control system.

(3) At all times, you must maintain necessary parts for routine repairs of the monitoring equipment.

(4) A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring equipment to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(c) You must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if you are meeting any organic HAP emissions limits based on an organic HAP emissions limit in Tables 3 or 5 to this subpart. You must collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used if you are meeting any organic HAP content limits in Table 7 to this subpart if you are averaging organic HAP contents. Resin use records may be based on purchase records if you can reasonably estimate how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier.

(d) Resin and gel coat use records are not required for the individual resins and gel coats that are demonstrated, as applied, to meet their applicable emission as defined in § 63.5810(a). However, you must retain the records of resin and gel coat organic HAP content, and you must include the list of these resins and gel coats and identify their application methods in your semiannual compliance reports. If after you have initially demonstrated that a specific combination of an individual resin or gel coat, application method, and controls meets its applicable emission limit, and the resin or gel coat changes or the organic HAP content increases, or you change the application method